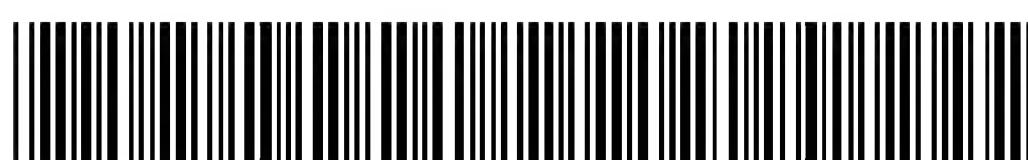




(19) Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number : **0 677 258 A1**

(12)

EUROPEAN PATENT APPLICATION

(21) Application number : **95830137.6**

(51) Int. Cl.⁶ : **A45D 34/04**

(22) Date of filing : **10.04.95**

(30) Priority : **12.04.94 IT TO940269**

(43) Date of publication of application :
18.10.95 Bulletin 95/42

(84) Designated Contracting States :
**AT BE CH DE DK ES FR GB GR IE IT LI LU MC
NL PT SE**

(71) Applicant : **Ficcadenti, Maurizio
Via Ischia, 145
I-63013 Grottammare (IT)**

(72) Inventor : **Ficcadenti, Maurizio
Via Ischia, 145
I-63013 Grottammare (IT)**

(74) Representative : **Sarpi, Maurizio
Studio FERRARIO
Via Collina, 36
I-00187 Roma (IT)**

(54) Container with applicator of nail-varnish interposed between fingers.

(57) A container with applicator of nail-varnish interposed between fingers of the type including a tank (1) provided with a plug (2) having an axial brush (3) for drawing from the tank and applying the varnish to the nails. The tank (1) has a pair of opposite deep recesses (4) of curved shape, each having such a dimension as to house a finger of the user's hand in order to keep the two fingers spaced apart during the application of the nail-varnish.

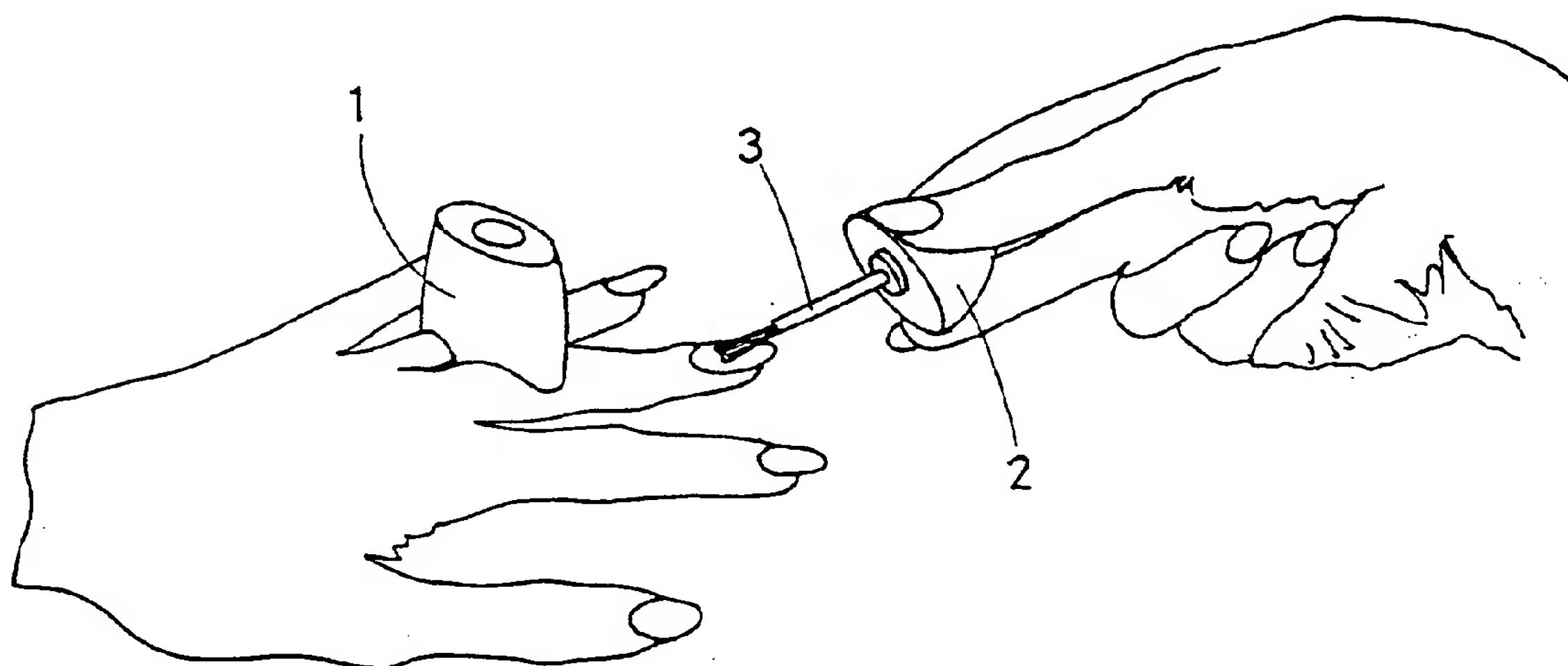


FIG. 9

EP 0 677 258 A1

The present invention relates to a portable container of nail-varnish which is characterized by the following features: it is put between two fingers of the hand so as to keep them apart; it is provided with an applicator forming the closure/opening member of the container.

The hitherto known containers of nail-varnish have the drawback that they cannot be used without a steady support plane. This invention overcomes such problem by providing a container which can be steadily held between two fingers of the user's hand.

In one preferred embodiment of the invention, the body of the container consists of three main portions: one portion is put between two fingers of the hand and includes the container; a second portion is the closure/opening member of the container; and a third portion is the brush acting as varnish applicator. Besides allowing it to be put between two fingers of the user's hand, the form of the container is such as to prevent the nail-varnish from flowing outside the container because of a guard surrounding the spout of the container. In a second preferred embodiment the container is divided into two halves housing a transparent small bottle of nail-varnish and having each a side opening which allows the colour of the nail-varnish to be seen from the outside. Further in this embodiment the two halves can be advantageously connected so that they can be taken apart to replace the bottle.

For a better explanation this invention will now be described by way of an illustrative, non-limiting example with reference to the accompanying drawings, in which:

- Fig. 1 is a plan view of the container according to the invention;
- Fig. 2 is the view of Fig. 1 from the left to the right;
- Fig. 3 is the view of Fig. 1 from the right to the left;
- Fig. 4 is the view of Fig. 1 from the bottom to the top;
- Fig. 5 is the section of Fig. 4 along the plane B-B';
- Fig. 6 is the section of Fig. 4 along the plane X-X';
- Fig. 7 is the section of Fig. 1 along the plane Y-Y';
- Fig. 8 is the section of Fig. 1 along the plane A-A';
- Fig. 9 shows a perspective view of how the container according to the invention may be held between two fingers of the user's hand;
- Fig. 10 shows a section of an inclined container without plug;
- Figs. 11 to 14 show a plan view, a front view, a rear view and a side view of a second embodiment of the container of nail-varnish according to the invention, respectively;
- Fig. 15 shows a section of the tank of Fig. 14 along line D-D';

Fig. 16 shows a section of the tank of Fig. 11 according to line B-B';

Fig. 17 shows a section of the tank of Fig. 11 along line A-A';

Fig. 18 shows a section of the tank of Fig. 11 along line C-C';

Figs. 19 to 21 show a elevation front view, a side view and a top plan view of a bottle of nail-varnish to be used as tank of Fig. 11, respectively;

Fig. 22 shows the plug with brush of the bottle of Figs. 19 to 21.

With reference to the above Figures, the container of nail-varnish includes a tank 1 having an elongated, preferably elliptical, cross section, as shown in Figs. 2, 3, 6 and 7.

Such tank is provided with a plug 2 having an axial brush 3 by which the nail-varnish is drawn from the tank 1 and applied to the nails.

In the preferred embodiment illustrated in the annexed drawings such plugs 2 has an outer shape and dimensions such as to perfectly fit those of tank 1, thus offering to the sight the aspect of a monolithic body of egg-shaped flattened profile (see Figs. 1 and 4).

Plug 2 has an inner collar (2a) to which the nozzle 1a of tank 1 fits.

The main characteristic of tank 1 is that of including two deep recesses 4 of curved shape located near its bottom and at opposite positions with respect to the transversal symmetry plane A-A'.

As shown in Fig. 9, two adjacent fingers of the hand can be put into such recesses 4 so as to easily take hold of tank 1.

It should be appreciated that the outer nozzle 1a projects within tank 1 by a length 1b which prevents the nail-varnish to flow outside in case tank 1 is sideways inclined, provided that a limit tilting angle (α) is not exceeded, as shown in Fig. 10.

In a second preferred embodiment, the tank consists of a body 5 preferably of plastic and made of two mirror-halves 52, within which suitable seats 51 are formed so as to house and hold a bottle 6 of nail-varnish, preferably of transparent glass. Bottle 6 is of the type commonly used for containing nail-varnish and is provided with a spout 61 to which plug 8 provided with a brush is screwed. Plug 8 rotates being integral with a shaped lid 7 having the same form as the already described plug 2.

Each half 52 has a shaped through hole 9 allowing the colour of the nail-varnish contained in bottle 6 to be seen from the outside.

Advantageously, the two halves 52 may be, for example, permanently glued to each other or connected so as to be disassembled to replace the bottle.

Claims

1. A container with applicator of nail-varnish interposed between fingers of the type including a tank (1) provided with a plug (2) having an axial brush (3) for drawing from the tank and applying the varnish to the nails, characterized in that the tank (1) has a pair of opposite deep recesses (4) of curved shape, each having such a dimension as to house a finger of the user's hand in order to keep the two fingers spaced apart during the application of the nail-varnish. 5

2. A container with applicator of nail-varnish interposed between fingers according to claim 1, characterized in that plug (2) has an inner collar (2a) to which the outer nozzle (1a) of tank (1) perfectly fits and projects within tank (1) by a length (1b) which prevents the nail-varnish from flowing outside the container in case of a side inclination of container (1), provided that a limit tilting angle (α) is not exceeded. 10

3. A container with applicator of nail-varnish interposed between fingers according to claim 1, characterized in that said plug (2) has a shape and dimensions such as to perfectly fit those of tank (1), thus offering to the sight the aspect of a monolithic body of egg-shaped flattened profile. 15

4. The container according to claims 1-3, wherein it is made of moulded plastic material. 20

5. The container according to claims 1-3, wherein it is made of glass. 25

6. The container according to claim 1, wherein it is made of two mirror-halves (52) within which seats (51) capable of housing and holding a bottle of nail-varnish are formed. 30

7. The container according to claims 1 and 6, wherein each half (52) has a central through hole (9) in order that the colour of the nail-varnish contained in the bottle (6) may be seen from the outside. 35

8. The container according to claims 1, 6 and 7, wherein said bottle (6) is of transparent glass. 40

9. The container according to claims 1 and 6-8, wherein said halves (52) are made by moulding a plastic material. 45

10. The container according to claims 1 and 6-9, wherein said halves (52) are fixedly connected to each other by gluing. 50

11. The container according to claims 1 and 6-10, 55

wherein said halves (52) may be disassembled in order to replace the bottle (6).

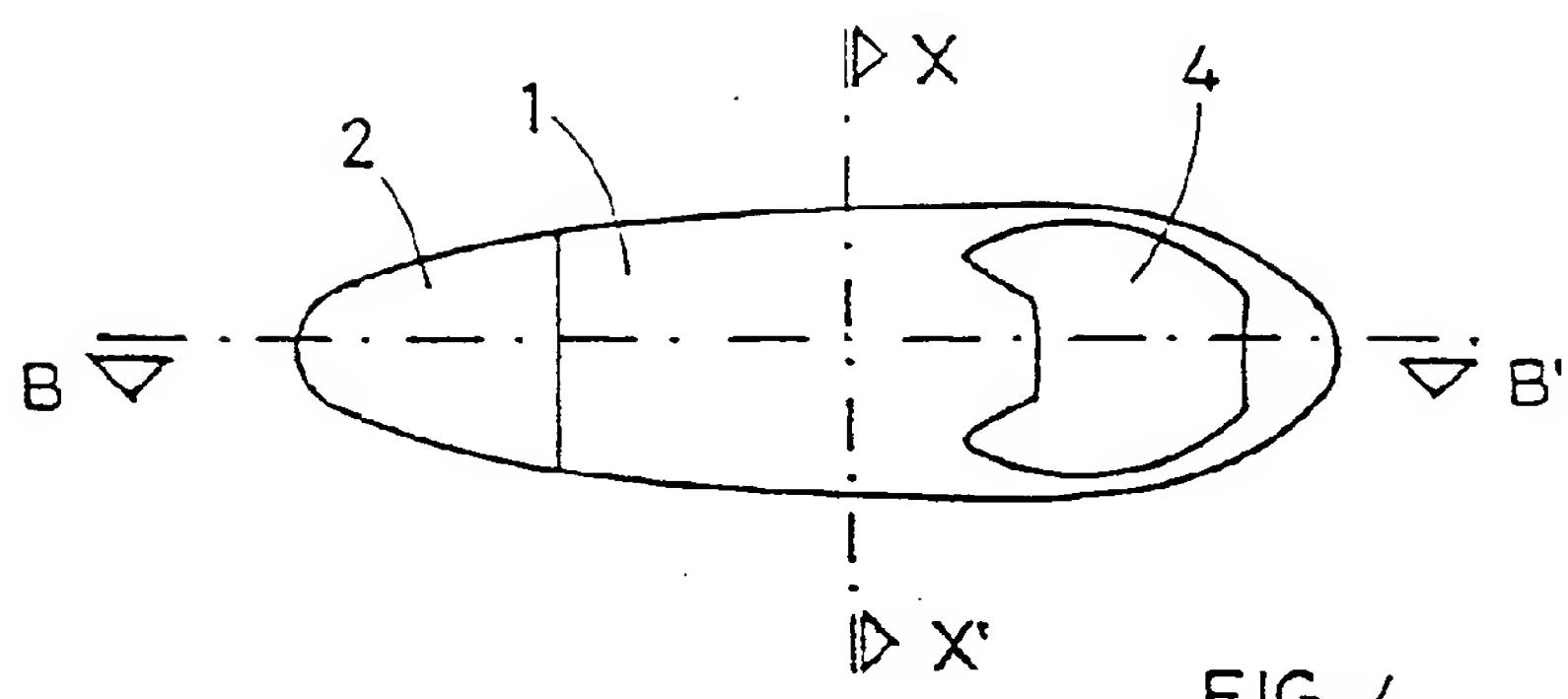


FIG. 4

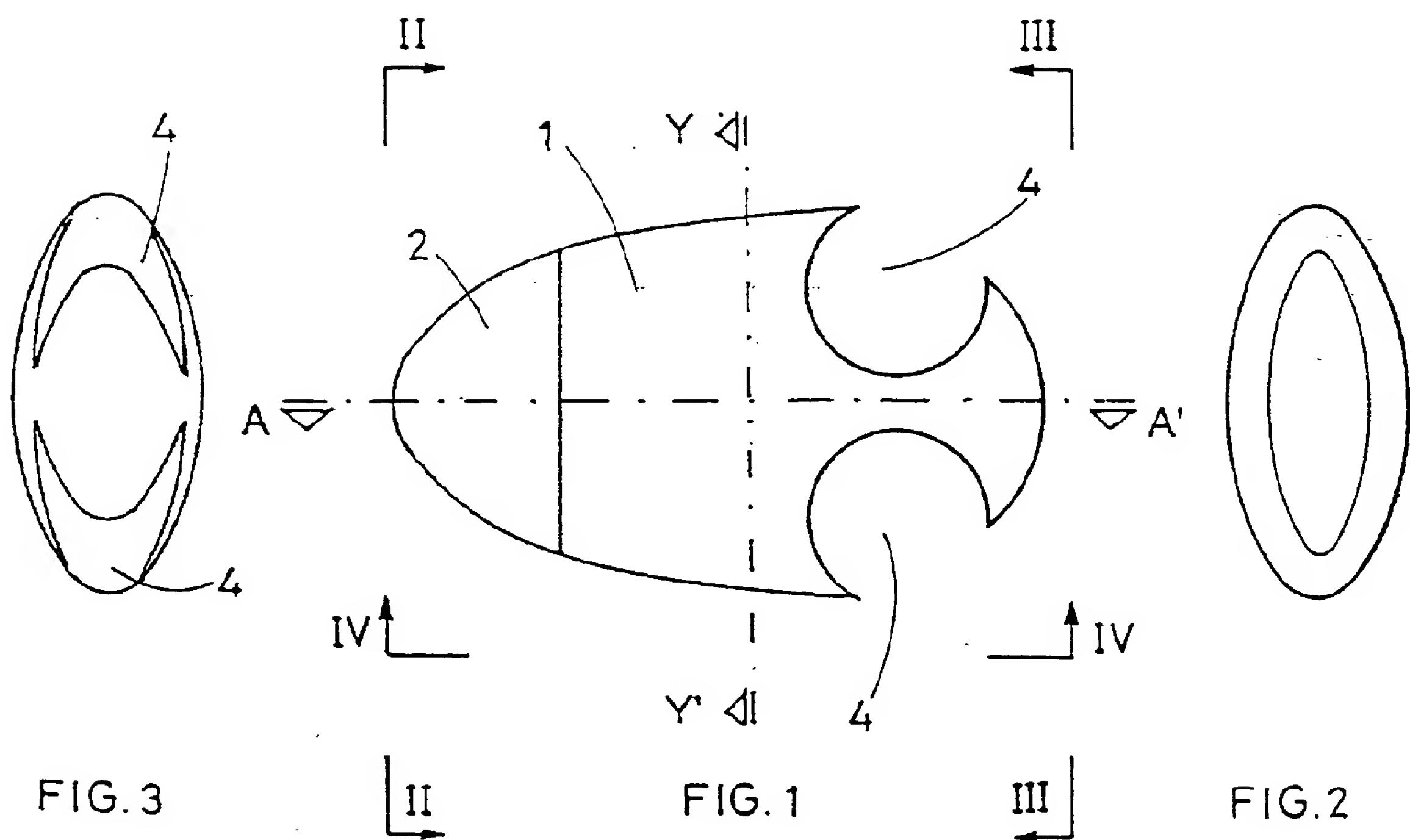


FIG. 3

II

FIG. 1

III

FIG. 2

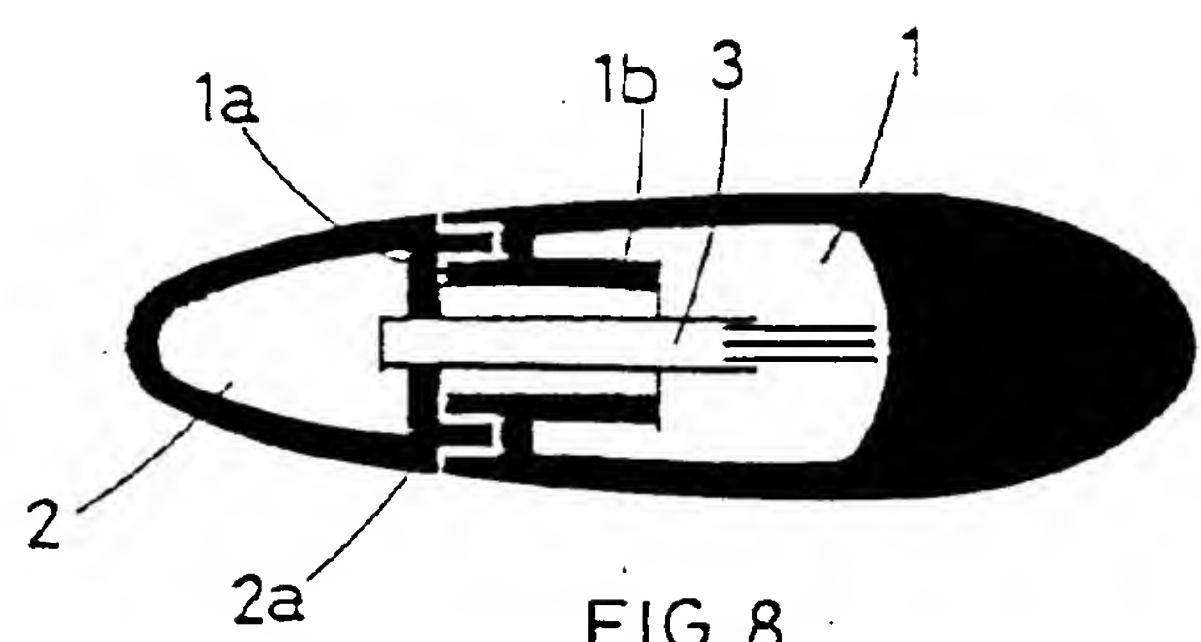


FIG. 8

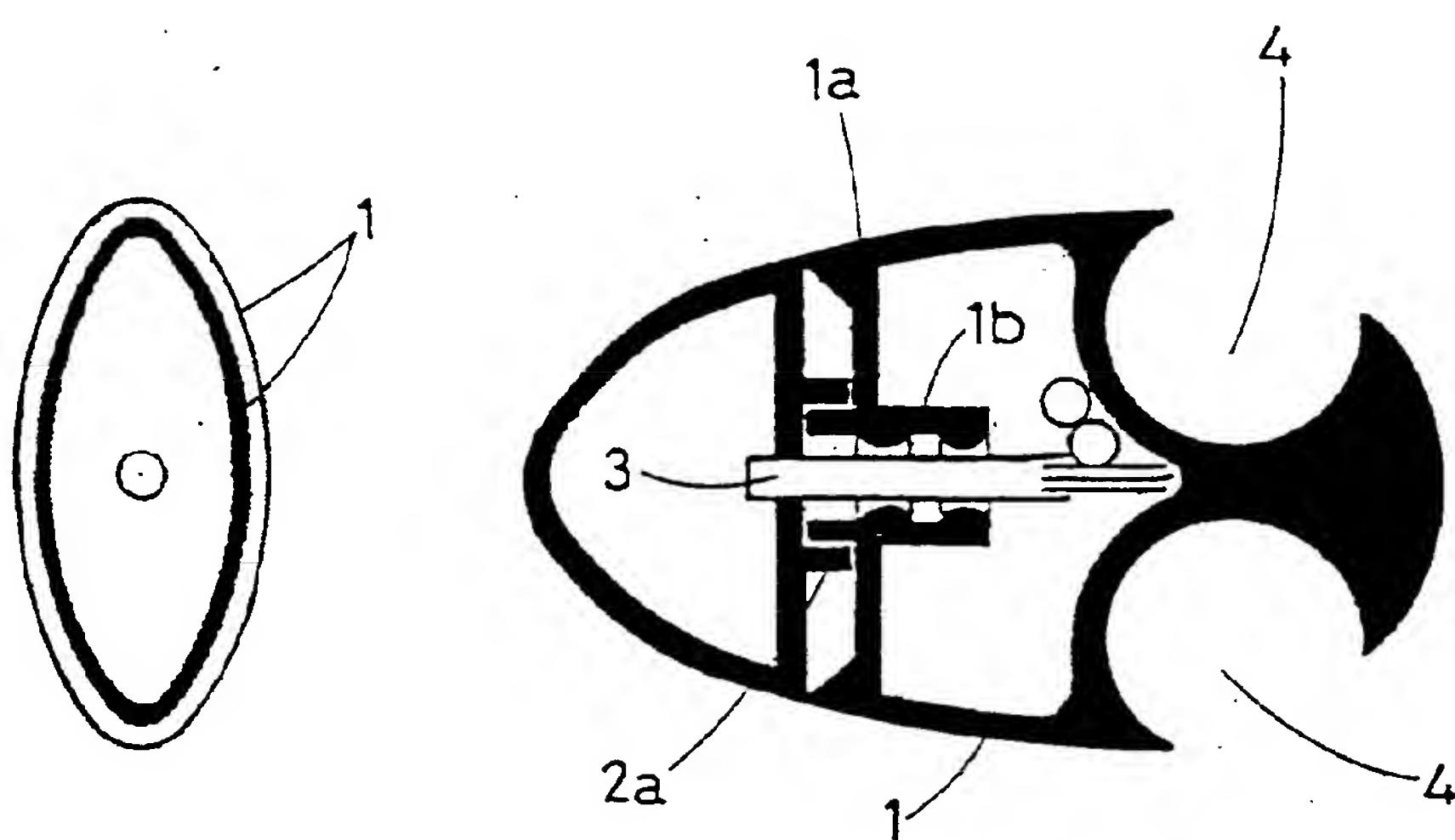


FIG. 5

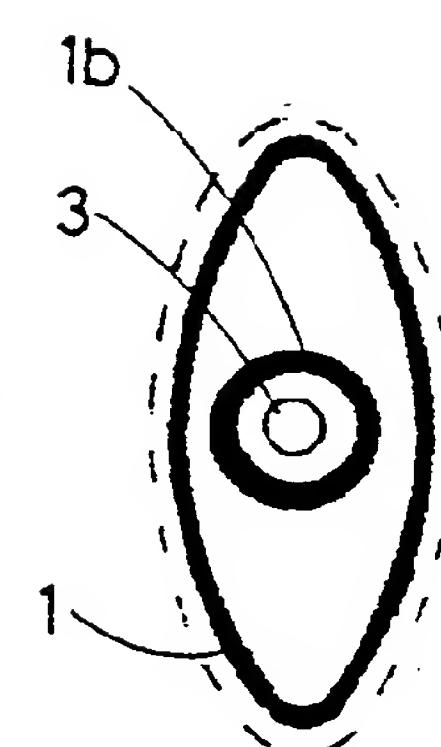


FIG. 7

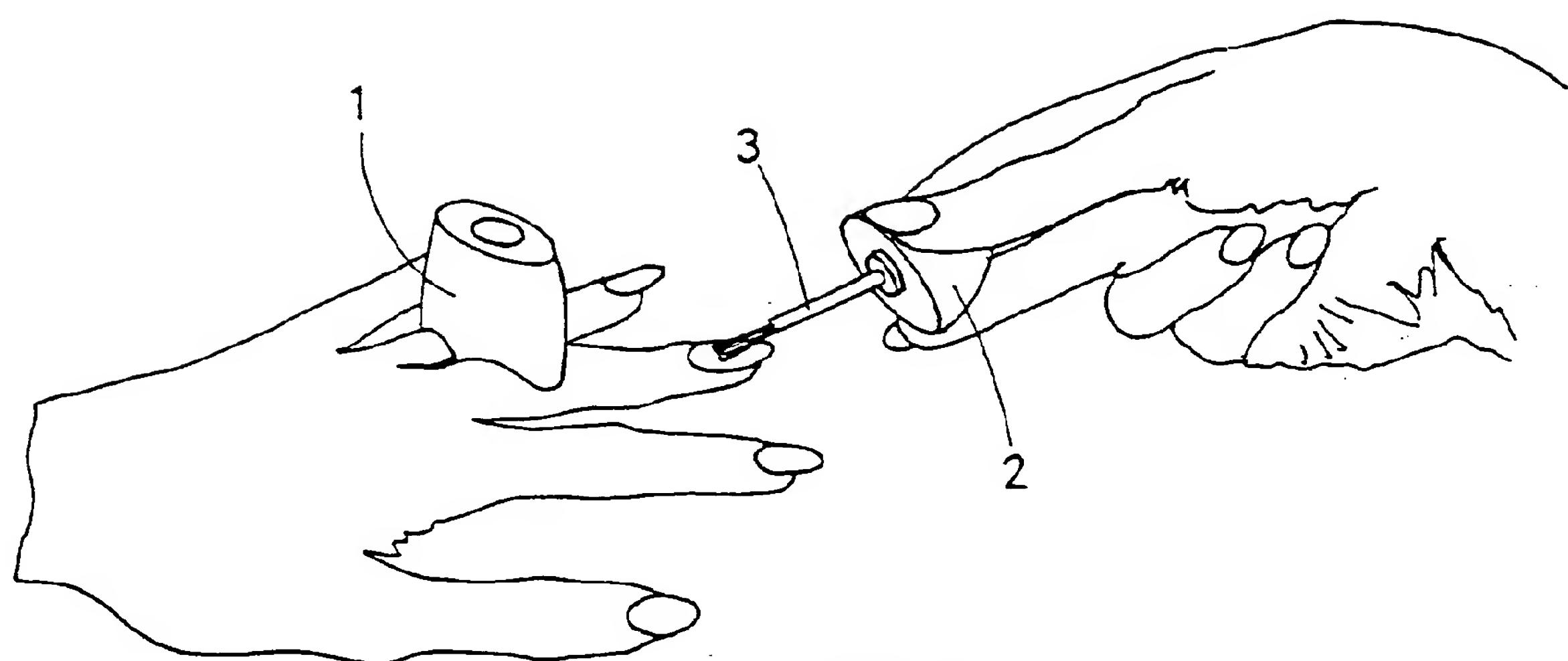


FIG. 9

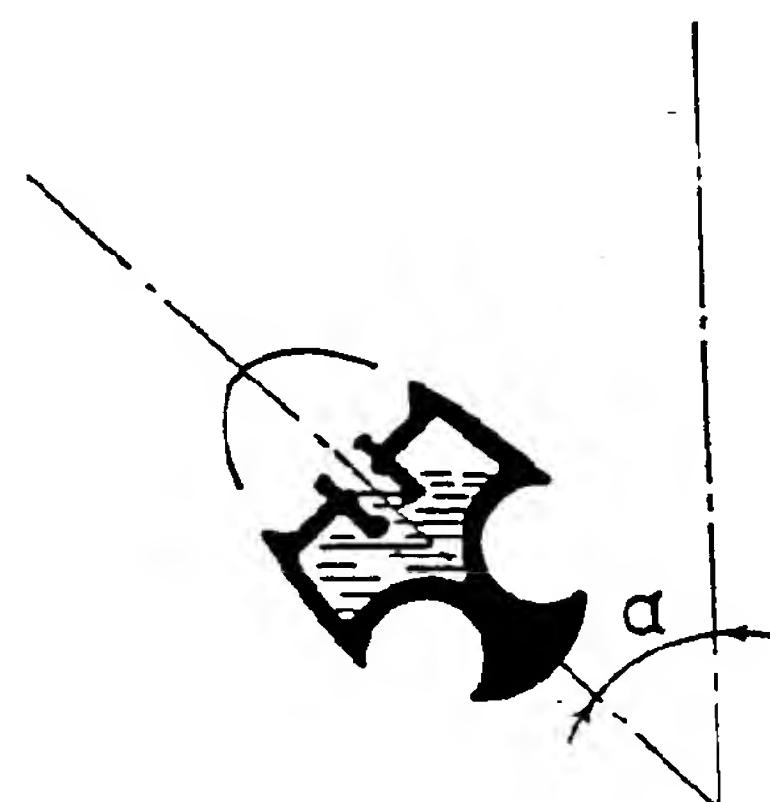


FIG. 10

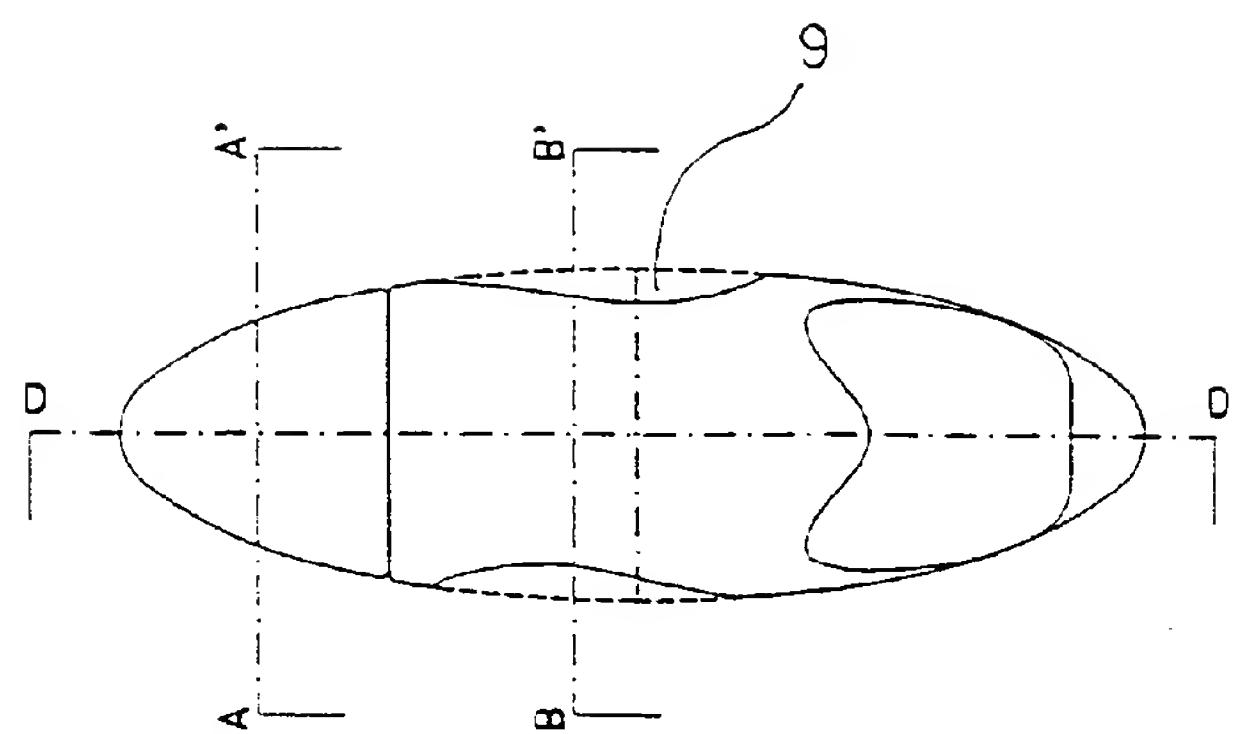


FIG. 14

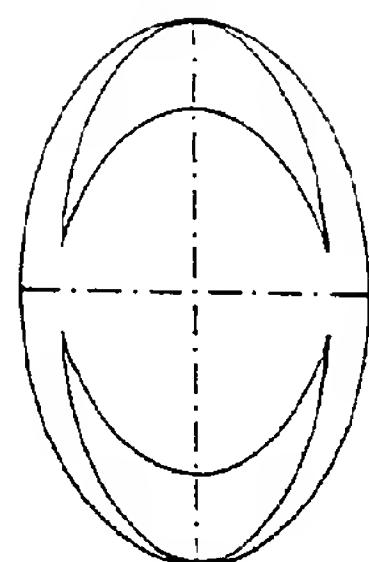


FIG. 13

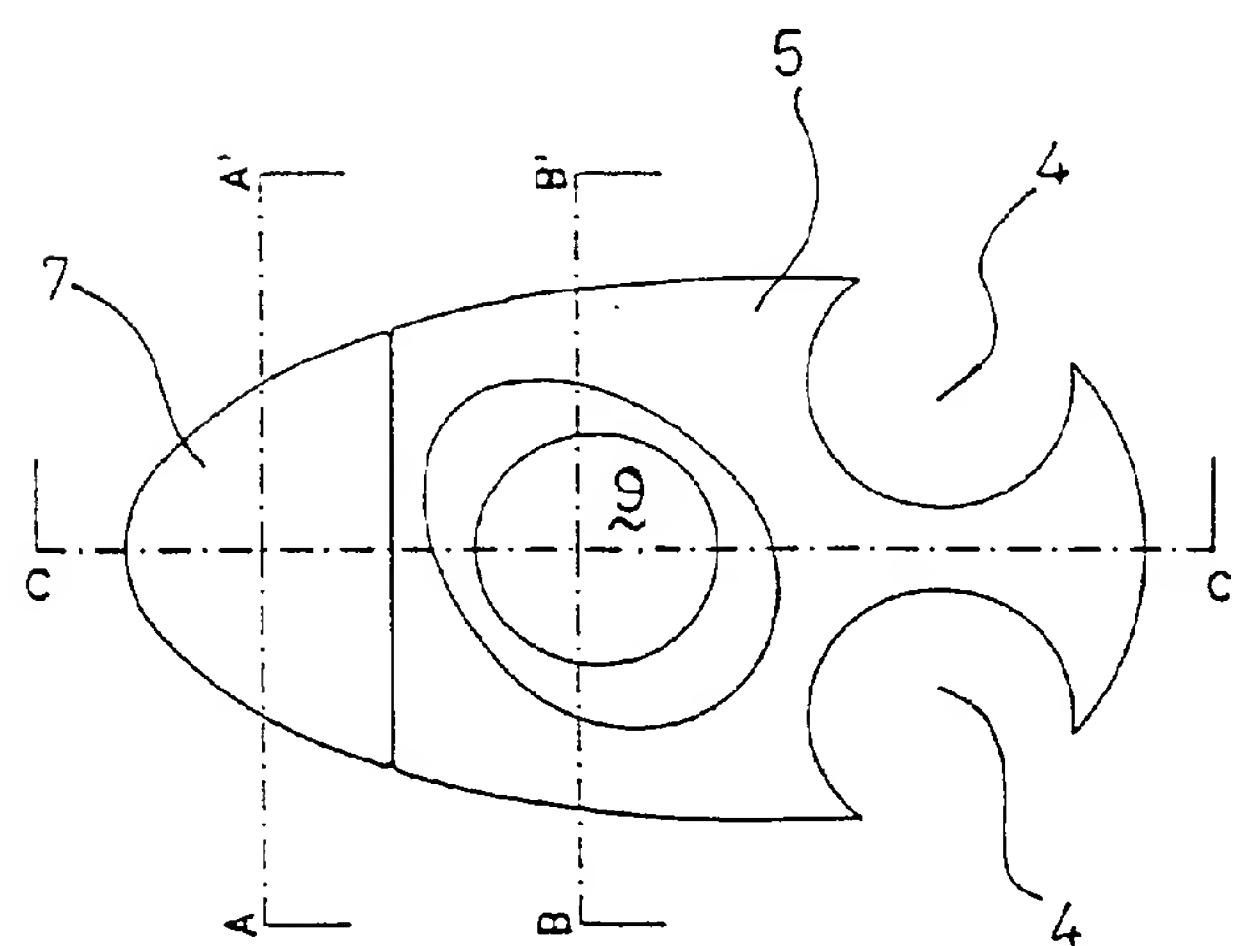


FIG. 11

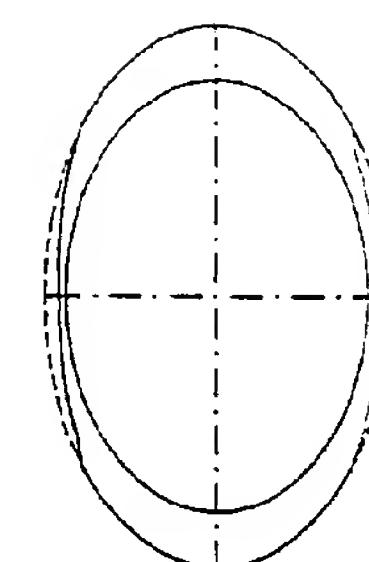


FIG. 12

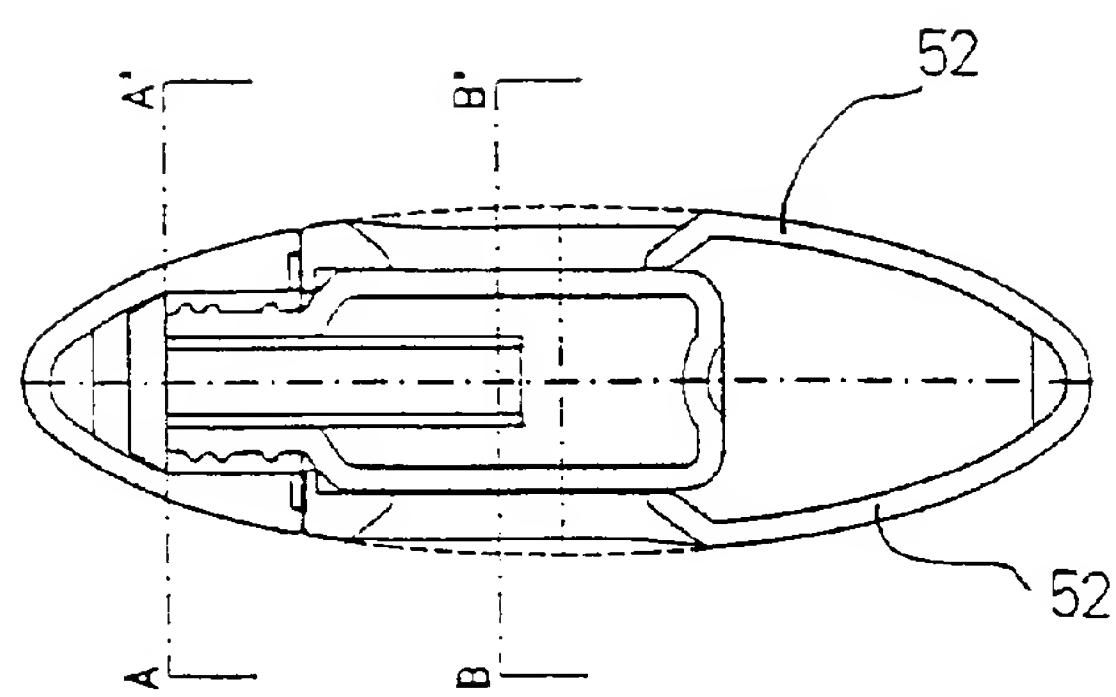


FIG. 18

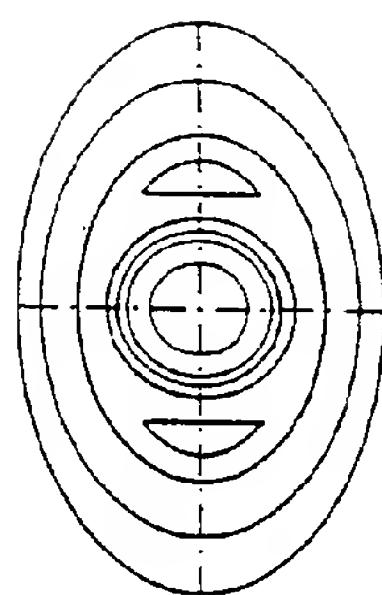


FIG. 17

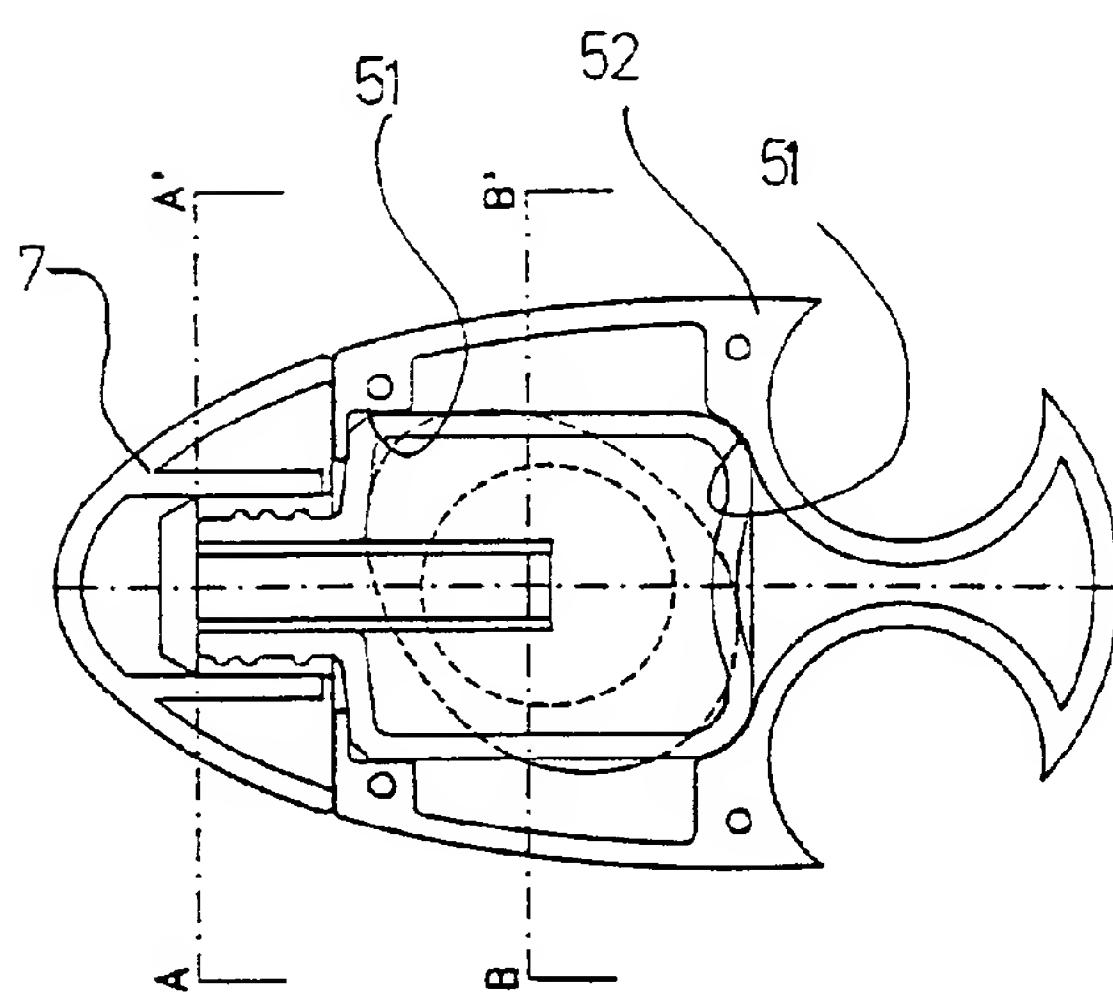


FIG. 15

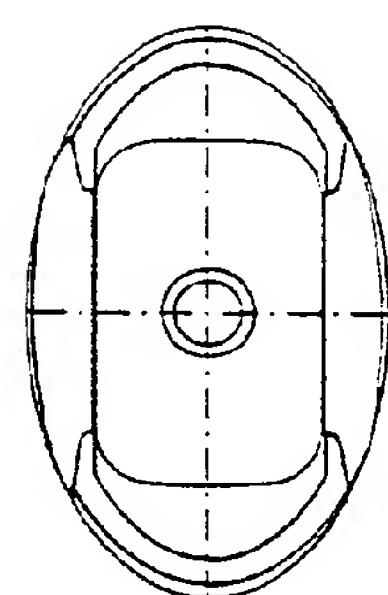


FIG. 16

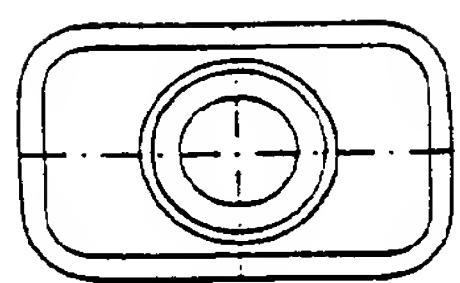


FIG. 21

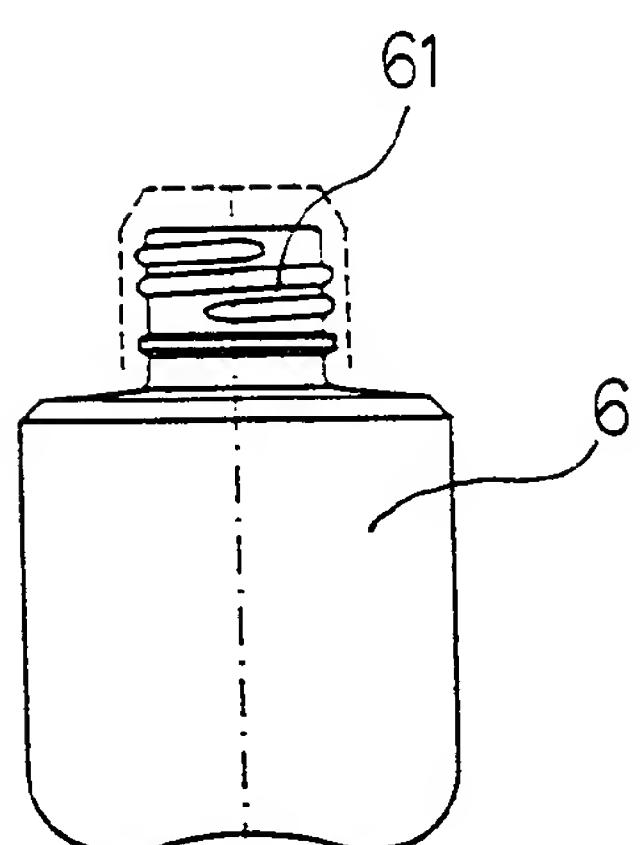


FIG. 19



FIG. 20

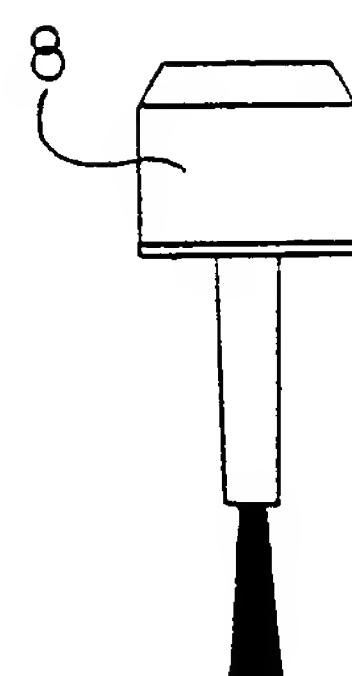


FIG. 22



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 95830137.6

DOCUMENTS CONSIDERED TO BE RELEVANT									
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 6)						
A, X	<u>US - A - 2 865 384</u> (NOON) * Fig. 1, 2 * --	1, 7	A 45 D 34/04						
A	<u>US - A - 2 656 842</u> (AMMARELL) * Fig. 1-4 * --	1							
A	<u>EP - A - 0 026 687</u> (P. PERL (EXPORTERS) LIMITED) * Fig. 1 * ----	1							
			TECHNICAL FIELDS SEARCHED (Int. Cl. 6)						
			A 45 D 34/00 A 45 D 29/00						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>VIENNA</td> <td>23-06-1995</td> <td>PIRKER</td> </tr> </table> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>				Place of search	Date of completion of the search	Examiner	VIENNA	23-06-1995	PIRKER
Place of search	Date of completion of the search	Examiner							
VIENNA	23-06-1995	PIRKER							